∿tex

TFT-LCD TV

W102D

USER MANUAL

READ CAREFULLY
BEFORE OPERATION

IMPORTANT SAFETY INSTRUCTIONS

CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN.

TO PREVENT ELECTRICAL SHOCK. DO NOT REMOVE THIS COVER. NO USER- SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

Please read this manual carefully before using this product.

● Before connecting the AC power cord to the DC adapter outlet ,make sure the voltage designation of the LCD TV corresponds to the local electrical supply . If you are unsure of your power supply , ask your local power company .

● Never insert anything metallic into the cabinet openings of the LCD TV; otherwise may cause the danger of electric shock.

● To avoid electric shock, never touch the inside of the LCD TV / adapter. Only a qualified technician could open the case of the LCD TV/adapter.

● Never use your LCD TV/adapter when the power cord has been damaged . Make sure there is nothing rest on the power cord, and keep the cord away from the place where people can trip over it .

● Be sure to hold the plug, not the cord when disconnecting the adapter from an electric socket.

● Openings in the LCD TV/adapter cabinet are provided for ventilation. To prevent overheating, these openings should not be blocked or covered. Also, avoid using the LCD TV on a bed ,sofa ,rug, or other soft surface. If not, may block the ventilation openings in the bottom of the cabinet. If you put the LCD TV in a bookcase or some other airless space, be sure to provide adequate ventilation.

● Do not expose the LCD TV to extreme temperature conditions or to extreme humidity conditions.

● The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, be placed on the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

- Do not clean the front with keton-type materials (e.g.Acetone),ethyl alcohol, toluene, ethy lacid, methyl, or chloride-these may damage the panel.

- Locate your DC adapter near an easily accessible AC outlet.

- If your LCD TV does not operate normally in particular, if there are any unusual sounds or smells coming from it，unplug it immediately and contact an authorized dealer or service center.

- High temperature can cause problems. Don`t use your LCD TV in direct sunlight, and keep it away from heaters, stoves, fireplaces, and other sources of heat.

- Unplug the DC adapter when it is going to be left unused for a long time .

- To reduce the risk of fire or electric shock, and annoying interference, use the recommended accessories only.

- If the LCD TV is broken, do not try to repair it yourself. Contact qualified service personnel.

- Unplug your DC adapter from the AC outlet before any service.

- Be sure the service technician uses authorized replacement parts or their equi-valents. Unauthorized parts may cause fire, electrical shook, or other hazards.

- Following any service or repair, be sure the service technician performs safety checks to certify that your TFT-LCD TV is in a safe operating order.

- The apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

CONTENT

CONTENT

GUIDE TO INSTALL THE MOUNTING BRACKET

MOUNTING BRACKET INSTALL
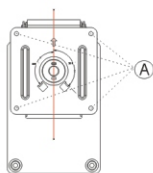
Mounting bracket

Ⓐ
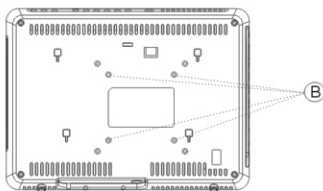
Rear viewing of LCD TV

Ⓑ

Bolt
PA4×25
4pcs

Bolt
BM4×5
4pcs

Expandable
pipe 4pcs

1. Before installing, drill 4 holes with diameter 7mm in the wall firstly ,then hammer 4 expandable pipe in the holes, shown as figure ❶.

2. Rotate the mounting bracket to a certain degree firstly, then use 4 PA4×25 screws to fix the mounting bracket on the wall (A), shown as figure ❷ .

3. Use 4 BM4×5 screws to fix TV to the mounting bracket (B), shown as figure ❸ .

4. Rotate the mounting bracket to a appropriate degree and installation is finished ❹ .

5. This mounting bracket can rotate within the range of -135°~ +135°, shown as figure ❺ .

Wall

75mm

75mm

❶

Ⓐ

❷

Ⓑ

❸

❹

135°

135°

❺
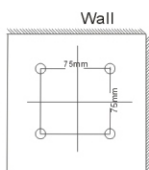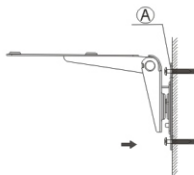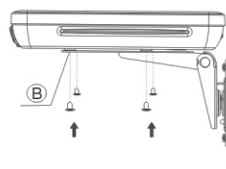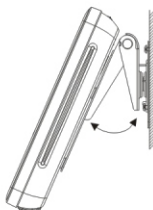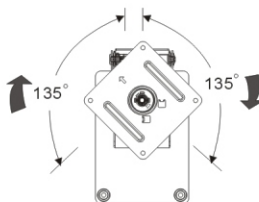
INSTALLATION

Take the backboard and 4 screws from accessories, and lie the host machine flat, with bottom casing facing upwards. According to the direction shown in the figure, make the 4 screw holes in the backboard aim at the 4 in the bottom casing of the host machine, and then use 4 screws to fix the backboard onto the bottom casing of the host machine (shown in the figure 1).

Figure 1:

host machine

backboard
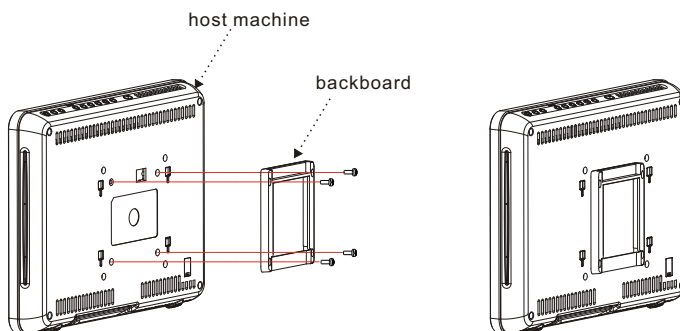
Take out the headrest bracket from accessories, rip off the magic band firstly, and then make the face with sponge alongside the headrest of the car seat, and the end with clasp plate face upwards; then bind the magic band on the headrest of car seat (shown in figure 2); finally check whether the headrest bracket becomes loose.

Figure 2: headrest bracket

car seat

clasp plate
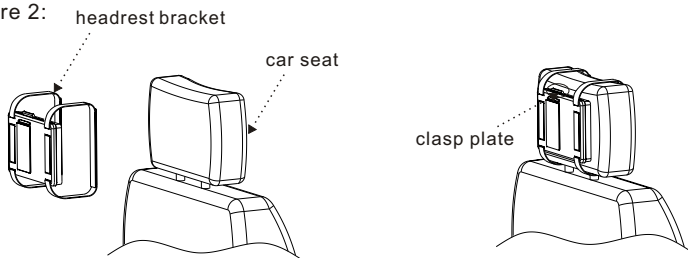
When installing the host machine with backboard onto the headrest bracket, take hold of the host machine with two hands, make the left and right clasp slots of the host machine aim at those of the headrest bracket vertically and slide downwards until a click sound is heard. Now you still need to uplift it upwards to check whether it is loose, if not, it means that the installation is proper and full.

INSTALLATION

When taking out the host machine, press the clasp plate backwards to make the host machine come loose, and then take the host machine with one hand.

Figure 3:

Clasp plate
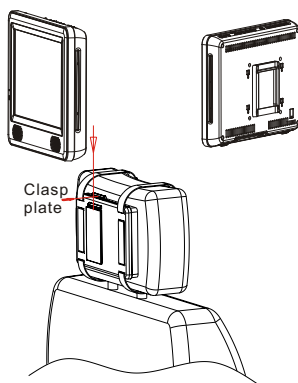
Install the host machine and headrest bracket onto the car seat, with the effect shown in the figure 4.

Figure 4:
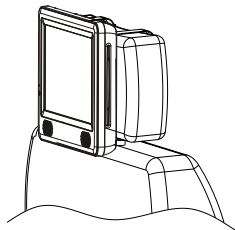
CAR ADAPTER CONNECTION

Connect car adapter (make sure to use the recommended accessories only) to the socket in your car correctly. Connect the other end of the car adapter to the TV DC input socket, as the picture show:

- When use the TV in a car, you can use the car adapter instead of the battery pack, to save energy of your battery in order to make it work longer.

- The car adapter also can be used to charge the battery pack if the battery pack is on .

- The car adapter can only be connected to DC 12V socket in your car, otherwise may cause damage to the car adapter or the TV. Please pay attention to this.
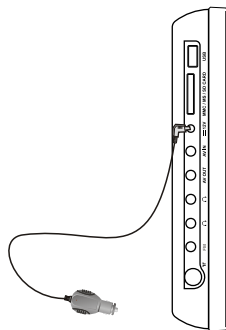
BATTERY PACK

BATTERY PACK INSTALLATION

1. Installing battery pack

● Place this unit to the center of the back, then slide the battery pack to secure it as the direction (figure ❶).

2. Use battery

● If the battery is full, you can use this LCD TV freely.

● If the battery pack is installed correctly, the indicator on the TV will turn red. If not, please check whether the battery is full or be installed correctly.

● When the voltage of the battery is lower than 5.8V, the TV set will turn off automatically. You have to charge the battery to make it work again.

● When use the battery pack, it may feels a bit warm, that's OK.

3. Remove battery pack

● Push the battery pack as the direction shown in figure ❷ , then take it out.

Button

❶   ❷
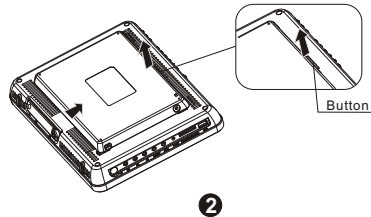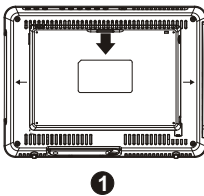
4. Recharging battery pack

Indicator

❸   ❹
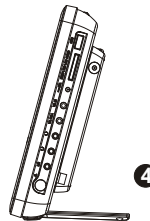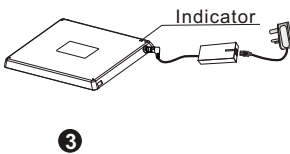
● Please use the adapter provided, connect to the DC IN socket of the battery pack to charge it (figure ❸). When the battery is on the TV, you also can charge it while LCD TV is working (figure ❹).

● When the battery pack is power on, the orange indicator will flash for about 1 second, indicating that the whole charging system is powered on .

● After entering charging process, the red indicator is always on, which means that the battery pack is being charged.

● If the battery pack is on the LCD TV, whether the TV is in STANDBY mode or POWER ON mode, it can charge the battery. In POWER ON mode, a battery sign "▭▭▭" will be displayed on the screen to say the battery is being charged.

BATTERY PACK

- After battery pack is fully charged, the green indicator is always on, which mean that the battery pack has been fully charged, so please unplug the power cord.

- If the indicator has other displays after power-on of the system, it means the battery pack has troubles. Please unplug power cord and contact the appointed servicing personnel.

- If the rechargeable battery hasn't been used for a long time, the quantity of electricity will be too low and the LCD TV cannot power on, so please charge the battery first.

- New battery or battery stored for a long time may take more time to charge.

> **CAUTION:**
> **Danger of explosion if battery is incorrectly replaced.**
> **Replace only with the same or equivalent type.**

5. Cautions on battery pack

- This LCD TV's battery pack is rechargeable. It should be fully recharged before use.

- Please remove the battery pack if you do not intend to use this LCD TV for an extended period of time. (Power is still consumed although this LCD TV is turned off. Therefore, the battery pack may be damaged due to excessive discharging.)

- Do not dispose it in fire or water. Do not heat the battery pack.

- Do not use it in high ambient temperature or near a heat source.

- Do not connect the positive and negative polarities with a metal object.

- The operating temperature of the battery pack is 0~35℃ 。

- **Non-saturated charge:** the indicator indicates that charging has been always on but the battery does not turn to the saturated status after regular duration of charging .
  Over-charge: the battery is over-charged or over-saturated, so that the voltage of the battery exceed the upper limit voltages,(For lithium batteries, the upper limit voltage for a single battery is 4.25V).
  Self-discharge: discharge of battery due to the static power consumption of the peripheral circuit, damp air and self-structure.
  Over-discharge：self-discharge of the battery too long time results in that the voltage of the battery are lower than the lower limit voltage.(For lithium batteries, the lower limit voltage for a single battery is 4.25V) Note that to avoid over-discharge of the battery in the case of long disuse of the battery, regularly charge the battery, so that the voltage of the battery is maintained between 3.6V and 3.9V.Trickle charge: when the voltages at both poles of the battery are lower than 3.0V(for lithium battery),low current will be employed to charge the battery at 0.01C(C indicates the battery capacity)for about 15~30 minutes.

- Please use the recommended adapter to recharge it, otherwise it will damage the battery pack.

PANEL BUTTON FUNCTIONS

PANEL CONTROL
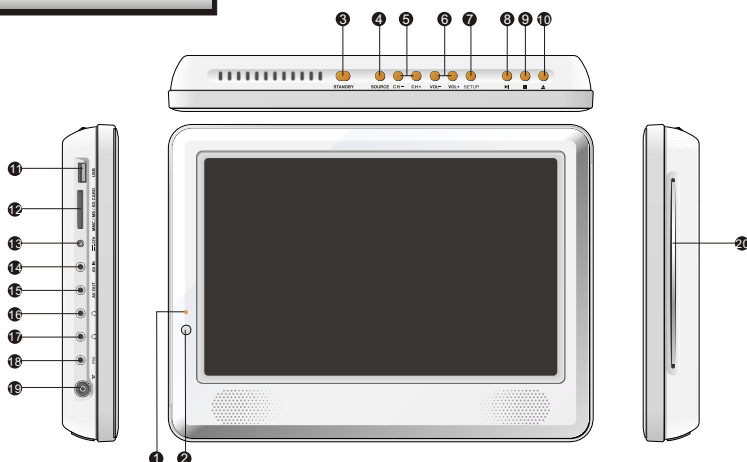
Front panel

❶ Indicator(Indicator is red when in standby mode, green when working normally.)

❷ IR sensor window

Top panel

❸ **STANDBY** (To switch from standby mode to power-on mode)

❹ **SOURCE** (Select input source)

❺ **CH-/+** (Increase or decrease channel number/to move selected menu item)

❻ **VOL-/+** (Increase or decrease volume/characteristics)

❼ **SETUP** (Enter or exit setup menu)

❽ ▶‖ (Play/puase button)

❾ ■ (Stop button)

❿ ▲ (Eject button)

Left panel

⓫ USB jack

⓬ MEDIA CARD socket

⓭ 12Volt DC power input socket

⓮ AV audio video input jack

⓯ AV audio video output jack

⓰ Headphone jack

⓱ Headphone jack

⓲ FM antenna input

⓳ RF input terminal

Right panel

⓴ Disc in/out door

EXTERNAL EQUIPMENT

CONNECTING DIAGRAM

The left of TV set

USB

MMC / MS / SD CARD

---12V

AV IN

AV OUT

FM

VIDEO   L   R

DVD or VCR player

VIDEO   L   R

TV
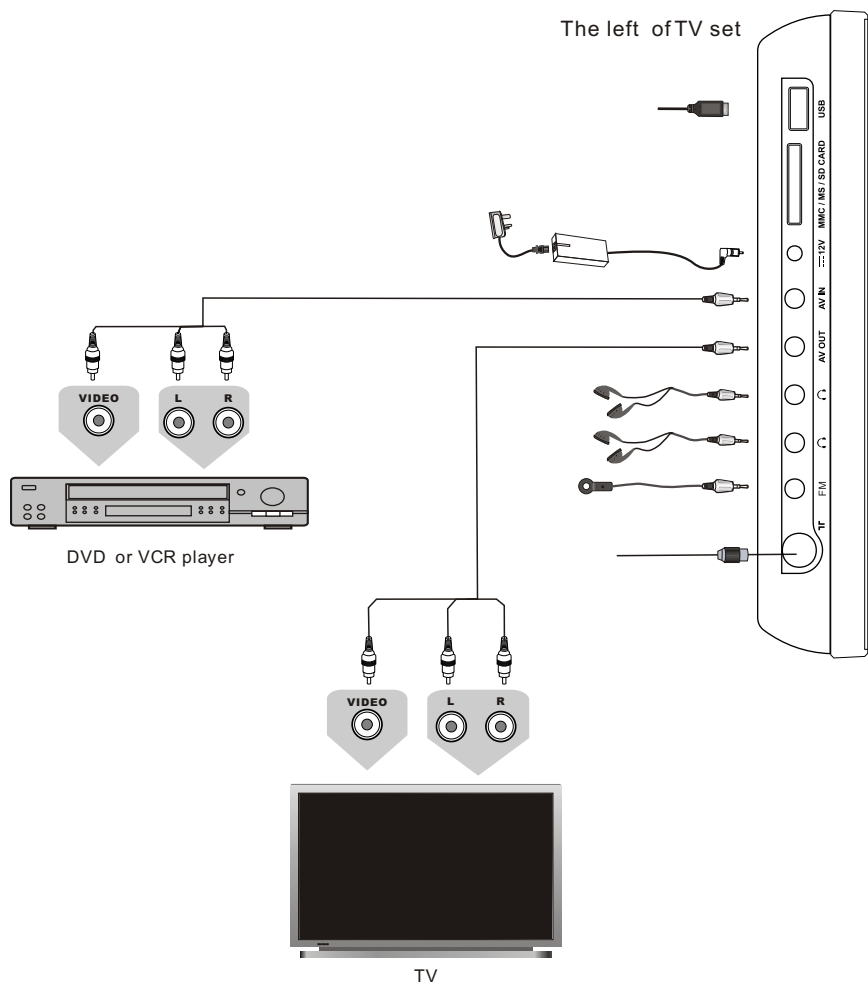
NOTE

You should insert any interconnecting cables BEFORE plugging in the power cord.

REMOTE CONTROL HANDSET

REMOTE BUTTONS

MUTE **PICTURE**

1 2 3
4 5 6
7 8 9
-/-- 0

SOURCE **SETUP** **RATIO**

OK

DISP **CARD / DISK** **DVD MENU**

INFO **EPG** **FAV.**

LANG **SUBT** **AUDIO** **ON/OFF**
ANT.

GOTO **A-B** **REPEAT** **ANGLE**

Avtex W102D

VOL+
VOL-
CH+
CH-
ON / OFF
B.L.
TV/♫
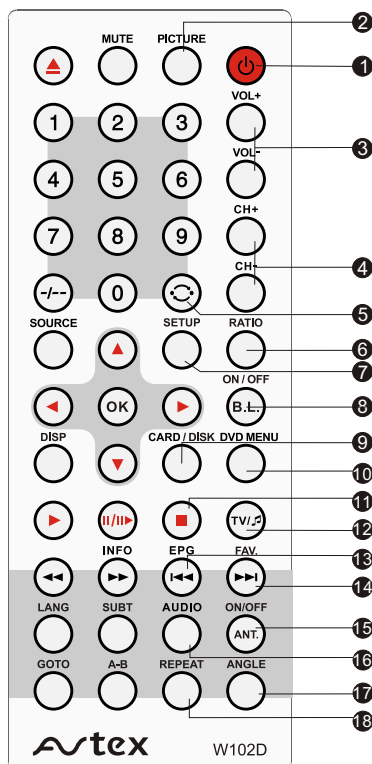
❶ **STANDBY**
Switches between standby mode and power-on mode.

❷ **PICTURE**
Set picture mode: Dynamic, Soft, User, Standard.

❸ **VOLUME+/-**
Increases or decreases sound amplitude

❹ **CHANNEL+/-**
Steps up/down program numbers.

❺ **RETURN**
To swap between a previous program and the current program (only valid in TV mode.)

❻ **RATIO**
Switch the picture mode in 4:3 or 16:9.

❼ **SETUP**
Display setup menu, different in TV and DVD mode.

❽ **B.L ON/OFF**
To turn on/off the screen (only valid in radio mode).

❾ **CARD/DISK**
To switch in card reader, DVD and USB modes (only valid in DVD mode).

❿ **DVD MENU**
Display DVD menu or open/close PBC;
In DVB mode, long press to auto scan .

⓫ **STOP**
To stop playing a DVD (only valid in DVD mode).

⓬ **TV/♫**
Switch between TV and radio modes (valid in DVB mode).

⓭ **EPG/⏮**
To display the program guide (valid in DVB mode) /To select the previous chapter or track (valid in DVD mode).

⓮ **FAV./⏭**
In DVB mode, open favourite channel list/To select the next chapter or track (valid in DVD mode).

⓯ **ANT. ON/OFF**
In DVB mode, turn on/off antenna power supply.

⓰ **AUDIO**
In DVD mode, to change sound decode mode like DTS or Dolby.
In DVB mode, to change sound track between left, right and stereo.

⓱ **ANGLE**
Change camera angle, JPEG playback modes switch.

⓲ **REPEAT**
To repeat playback (valid in DVD mode).

— 8 —

17 EJECT
Disc in/out ,valid in DVD mode.

18 MUTE
Sound mute button.

19 Number buttons
To select program number.

20 TWO-DIGIT button
Switches between one or two-digit program numbers.

21 SOURCE
Select input source: TV, DVD, AV, DVB, FM.

22 OK button
To confirm a selection/item in menu.

23 LEFT/RIGHT cursor
To move left/right or adjust a selected item in menu.

24 UP/DOWN cursor
To navigate upward/downward in the menu.

25 DISP
Display or hide channel information / Display or hide disc information.

26 ❚❚/❚❚▶
Pauses playing/steps playback in pause mode (only valid in DVD mode) .

27 ▶
To play normally, valid in DVD mode.

28 INFO/▶▶
To display the information about channel and program (valid in DVD and DVB mode)/Fast backwards DVD playback (only valid in DVD mode).

29 ◀◀
To fast backward playback (valid in DVD mode).

30 SUBT
In DVD/DVB mode select the subtitle language. Switch to JPEG display mode(only valid in DVD mode).

31 LANG
Switch the output language (valid in DVD/DVB mode).

32 GOTO
To play a DVD from a certain time-point (only valid in DVD mode).

33 A-B
To repeat play a DVD segment (only valid in DVD mode).

– 9 –
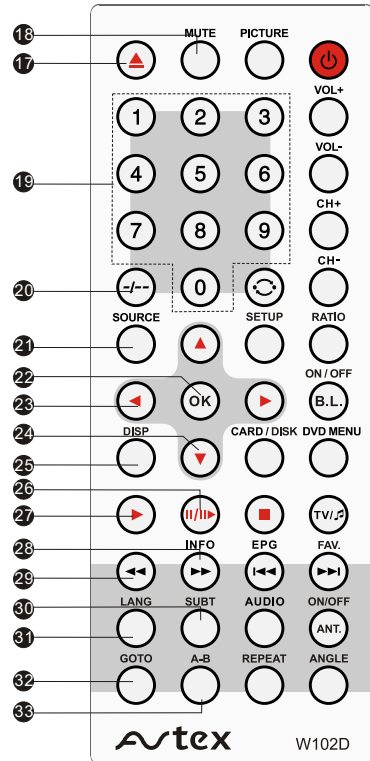
REMOTE CONTROL HANDSET

BATTERY INSTALLATION

When installing battery , please make the two polarities of battery accord with the two polarities inside the battery case (positive upward, negative downward), as the following figure:

CR2025   CR2025

❶   ❷
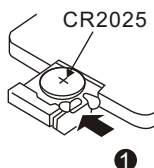
Step 1: Push the button toward left.   Step 2: Pull the battery holder out.
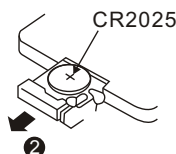
Step3:Insert one 3VOLTAGE LITHIUM BATTERY matching the -/+ polarities of the battery to the -/+ marks inside the battery compartment,as the bitmap.

BATTERY LIFE

● Generally speaking, the battery can be used for one year. But the detailed battery life and usage times are related to the remote control operation.

● If the remote control is still invalid when near to the unit, please replace the battery.

● Please use CR2025 battery.

NOTES

● Do not use rechargeable battery .

● Do not charge the battery, short-circuit, disassemble, heat or throw it into fire.

● Take care not to fall and beat the remote control, which will damage the remote control or cause function trouble.

● If the battery of remote control will not be used for a long time, please take it out.

CAUTION：
Please put battery in the place children cannot touch. If swallow by accident, please contact with the local doctor immediately.

POWER ADAPTOR INSTALLATION

● Please confirm whether accessories have power adaptor.

● Please make sure to use power adaptor in specification range, otherwise it will cause trouble.

LET'S START

After the unit has been suitably placed / fixed, on the desk or on your car, and all cords are connected for power, input and output .
If your unit is not fixed with the battery pack, connect the adapter to the LCD TV, the unit will go into standby mode, and you can see the indicator get into red.
If your unit is fixed with the battery pack, and the quantity of electricity is high enough, the unit will go to standby mode, indicator turn red. If not, please check the battery pack or contact authorized service department.

What you should do next is, press the STANDBY key on the top panel of the TV, or [STANDBY] button on the remote control to make the unit switch to power-on mode then you will see the LED indicator turn green. Now you can enjoy the many features of your new product.

STANDBY

INDICATOR

STANDBY

CHANGE SOURCE OPERATION

You can change the input source from the source menu. Press [SOURCE] button on unit or [SOURCE] key on remote control to show the menu on screen.

☞ TV
DVD
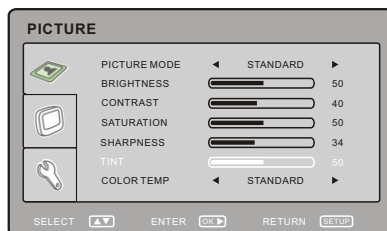AV
DVB
FM

The current source item is highlighted. Press [▲/▼] buttons on the remote control, or [CH+/ CH-] key on the top panel of LCD TV to select your desired mode. Press the [▶] or [OK] button to confirm your choice .

TV MENU SETUP

This product can store up to 100-channel programs (0~99). You can scan and store all the channels through manual or automatic mode.

In TV mode, press [SETUP] button on the remote control or top panel and menu will show as follows:

● Through pressing [▲/▼] button on the remote control, you can select main menu sections (main menu sections consist of " PICTURE ", " TV SETTING ", " SYSTEM "). Press [▶] or [OK] button to enter this menu section.

● Press [▲/▼] button on the remote control to select the item, and then press [◀/▶] button to adjust parameter value. Press [SETUP] button to save your selection and return to main menu sections.

PICTURE			
PICTURE MODE	◀	STANDARD	▶
BRIGHTNESS			50
CONTRAST			40
SATURATION			50
SHARPNESS			34
TINT			50
COLOR TEMP	◀	STANDARD	▶

SELECT [▲▼]   ENTER [OK▶]   RETURN [SETUP]

PICTURE

Select " ◈ " and menu will show as right :

Press [▲/▼] button to select items and [◀/▶] button to adjust.

PICTURE			
PICTURE MODE	◀	STANDARD	▶
BRIGHTNESS			50
CONTRAST			40
SATURATION			50
SHARPNESS			34
TINT			50
COLOR TEMP	◀	STANDARD	▶

SELECT [▲▼]   ADJUST [◀▶]   RETURN [SETUP]
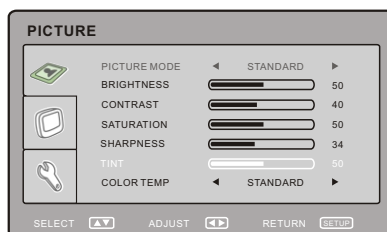
Item	Description
PICTURE MODE	Can be changed between: " USER " , " STANDARD " , " DYNAMIC " and " SOFT " .
BRIGHTNESS	To adjust brightness
CONTRAST	To adjust contrast
SATURATION	To adjust color saturation
SHARPNESS	To adjust picture sharpness
TINT	To adjust picture tint, only valid in N 3.58/N 4.43/PAL60 and display mode with V-scanning frequency equal 59.94
COLOR TEMP	To select a color temp between : "STANDARD ", "COOL" and "WARM".

TV MENU SETUP

TV SETTING

Select " ▢ " and menu will show as follows:

```
TV SETTING

    CHANNEL          ◄      2       ►
    COLOR SYSTEM     ◄      AUTO    ►
    SOUND SYSTEM     ◄      I       ►
    FINE TUNE        ◄   136.20MHZ  ►
    MANUAL SEARCH    ◄              ►
    AUTO SEARCH                     ►
    CHANNEL EDIT                    ►

SELECT  ▲▼      ENTER  OK►      RETURN  SETUP
```
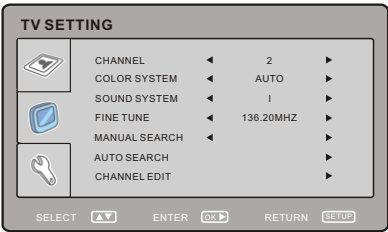
● Press [▲/▼] button to select item and press [◄/►] button to adjust .

Item	Description
CHANNEL	To change the channel number.
COLOR SYSTEM	Can be changed between: "Auto", "PAL" and "SECAM".
SOUND SYSTEM	Can be changed between:"BG", "DK", "I" and "L" .
FINE TUNE	Adjust current channel frequency accurately to make the sound and picture effect better.
MANUAL SEARCH	To scan programs by manual.
AUTO SEARCH	To scan programs and store all of them automatically.
CHANNEL EDIT	To enter a submenu to set channel skip and channel swap. Please refer the next page.

NOTES

● Which "COLOR SYSTEM" mode and "SOUND SYSTEM" mode to use is related to your local TV broadcasting system.

● SECAM system is only used by some European countries and districts, such as France.

● If the local system is SECAM L, the color system must be selected as "SECAM" and sound system must be selected as "L".

TV MENU SETUP

● during the searching, you can press [SETUP] button to stop.

CHANNEL EDIT

```
TV SETTING

        CHANNEL        ◄        2        ►
        SKIP           ◄       OFF       ►
        SWAP           ◄        38       ►




   SELECT  [▲▼]      ADJUST  [◄►]      RETURN  [SETUP]
```
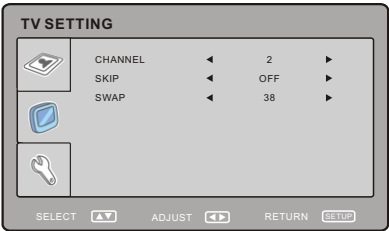
Item	Description
CHANNEL	To select current channel .
SKIP	To select "ON" or "OFF ", you can select "ON " to make current channel unaccessible while using [CH+/-] button to browse channels.
SWAP	Press [◄/►] button to select the channel, and press [OK] button to swap the channel.

TV MENU SETUP

SYSTEM

You can setup some system configuration here.

Press [▲/▼] to select " 🔍 " item and press [▶] button to enter the following section:
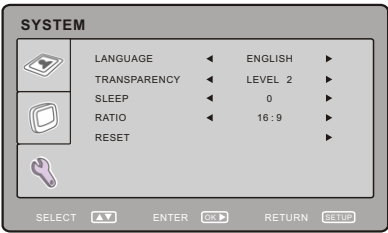
```
SYSTEM

◈        LANGUAGE        ◄    ENGLISH    ►
         TRANSPARENCY    ◄    LEVEL  2   ►
         SLEEP           ◄       0       ►
         RATIO           ◄     16 : 9    ►
         RESET                           ►



SELECT  ▲▼      ENTER  OK▶      RETURN  SETUP
```

● Press [▲/▼] button to select item and press [◄/▶] button to adjust or activate.

Item	Description
LANGUAGE	Select OSD language.
TRANSPARENCY	To change transparency of OSD.
SLEEP	Turn off the TV after certain minutes automatically, the time you can set is between: Off~240Min.
RATIO	Set the TV image ratio 4 : 3 or 16 : 9.
RESET	To reset all values to default.

NOTE

If you have set the sleep time , once the time is less than 1 minute there will be a remind signal display on the screen :

STANDBY: 59S
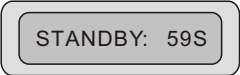
At present if you want to cancel the sleep function, please press [SETUP] button on remote control.

AV SETUP

If no signal input in TV, AV, the screen will show a similar signal like the following figure.

This unit will go into standby mode automatically if there is no signal input for more than 5 minutes.

```
      AV
  NO  SIGNAL
    04:50
```

DVD OPERATION

Brief Introduction

DVD is well known for its extraordinarily large capacity and outstanding audio-video effects. Its capacity is as high as 4.7-17 GB (approximately 7-26 times the CD capacity).With 500-line horizontal resolution of picture , it brings a new era to the household AV products.

■ Comparison Between DVD and Other Discs

	DVD				LD	Super VCD	VCD	CD	CDROM
Recording Method	Digital/MPEG2				Analog	Digital/MPEG2	Digital/MPEG1	Digital	Digital
Capacity	Single-sided 1 layer 4.7G	Single-sided 2 layers 8.5G	Double-sided 1 layer 9.4G	Double-sided 2 layers 17G		650MB	650MB	650MB	650MB
Playback time	133min.	242min.	266min.	484min.	1 side 60min. 2 sides 120min.	45min.	74min.	74min.	
Disc Diameter	12cm/8cm				30cm/20cm	12cm/8cm	12cm/8cm	12cm/8cm	12cm/8cm
Horizontal Resolution	500 lines or more				430 lines or more	350 lines or more	250 lines or more		
Aspect Ratio	Multiple				One				
Subtitle	32 types				Max. 16 types				
Audio	Dolby Digital/Linear PCM				Linear PCM FM modulation			Linear PCM	
Sound Quality	48kHz,96kHz/16,20,24bit				44.1kHz/16bit		44.1kHz	44.1kHz/16bit	

■ Function Introduction

- Multiple languages and subtitles
  DVD disc can support as many as 8 dubbing languages and 32 subtitle languages.

- Multiple story plots
  User can select to play the desired plots (the beginning, development or ending) of the same disc.

- Multiple aspect ratios
  Multiple aspect ratios support various TV screens.

Disc Pictures	TV Screen		
	4:3		16:9
	Pan-Scan	Letterbox	
4:3			
16:9			

DVD OPERATION

Features

This player has employed the new generation DVD decode chip with built-in Dolby Digital decoder which will bring you to a brand-new AV ententainment world. The 2-laser super error-correction mechanism supports CD-R.

Brand-new AV Effects

❶ Compatible with MPEG4 discs to produce wonderful pictures.

❷ 108MHz/12bit video DAC, with more vivid and brilliant pictures.

❸ Progressive-scan video outputs to eliminate the flickers hardly ouvercome by interlacing scan and therefore your eyesight will be well-protected. At the same time, the pictures deflnltion Is sharply enhanced and the pictures will be finer, smoother and stabler

❹ Brightness, chroma and contrast adjustment functions to render your eyes more comfortable.

❺ Dolby output for 2channel(DOWNMIX).

❻ DVD-Audio decoding output to reproduce original and realistic sound effects.

Many Convenient Features

❶ It's possible to select the desired beginning, development and ending of a story.

❷ Direct go to desired scene (title/chapter/track search).

❸ Capable of playing PAL/NTSC discs.

❹ Parental lock function to prevent children from watching unsuitable discs.

❺ Multiple dubbing languages and subtitle languages bring the best entertainment status to you all the time.

Super Compatibility with super VCD, VCD, CD, CD-R ,HDCD, KODAK PICTURE CD etc.

DVD OPERATION

Compatible Disc Types

Types	Sizes	Recorded Contents
disc DIGITAL AUDIO	12cm	CD-DA: Digital audio
disc DIGITAL VIDEO	12cm	VIDEO CD: Compressed digital audio+compressed digital video (dynamic picture)
SVCD	12cm	SVCD: Compressed digital audio+compressed digital video (dynamic picture)
DVD VIDEO	12cm	DVD: Compressed digital audio+compressed digital video (dynamic picture)
DVD AUDIO	12cm	DVD: Compressed digital audio + compressed digital video(still picture)

NOTES

● **Issues related to**   DVD   MPEG4)   SVCD   VCD   CD

These icons on the top banner indicate the disc types that the function described in this section applies to.

DVD   Applies to DVD disc

MPEG4)   Applies to MPEG disc

SVCD   Applies to SVCD disc

VCD   Applies to VCD disc

CD   Applies to CD disc

● **This model do not support the 8cm disc. Do not insert that type of disc into this device to prevent disc jam.**

DVD OPERATION

PLAYBACK

1. **Power on and switch signal source to DVD mode and the unit begins to work.**
2. **Place the disc (with label side facing users) to the door and the unit will draw in the disc automatically.**
   - The unit begins to read disc information.
3. **Press [PLAY] button to begin playing disc.**
   - When the unit playing a disc, press[ll/ll►] button the firs time and the unit enters pause state, while press [ll/ll►] button again and the unit go to frame-by-frame playback. Press [ll/ll►] the third time to resume to playback.
4. **Press [STOP] button to stop playing.**
   - When the unit is playing a disc, press [■] button the first time and the unit enters pre-stop state, while press [■] button again and the unit enters stop state.
   - At the pre-stop state, if you press [►] button, the unit will continue to play from the stopped point.
   - At the stop state, if you press [►] button, the unit will play from the beginning point of the disc.
   - Press [■] button when playing MPEG4 discs and the unit enters stop state directly.
5. **Press [▲] button to take out disc.**
6. **When finishing playing, switch signal source to other working state and press [⏻] button to make the unit enter standby state. Please pull out the power plug from power socket when not using the unit for a long time.**
   - [▲] button is effective only when selecting DVD signal source. In other signal source ,such as TV, AV, etc, this button is invalid.
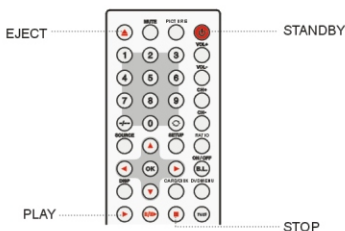
VOLUME CONTROL

1. **Press [VOL+/VOL-] buttons on the remote control of this unit.**
   - Press [VOL+] button to increase volume; press [VOL-] button to decrease volume; the maximum volume is 100.
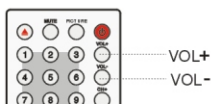
DVD OPERATION

VCD, SVCD MENU PLAYBACK

SVCD   VCD

● When playing SVCD, VCD2.0 discs with menu playback function, you may enjoy simple menu playback alternation function. You may set menu playback state in the setup menu and select menu playback or sequence playback.

For instance, VCD 2.0 disc menu playback.

1. TV screen displays main menu.

```
1.......
2.......
```
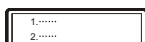
● Press number buttons to select. For instance, press number button 1 to select main menu 1.

```
1.......
2.......
```

2. After entering main menu 1, TV screen displays submenu.

```
1.......
2.......
3.......
4.......
5.......
```
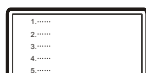
3. Press [⏮], [⏭] buttons to turn pages.

4. Press number buttons to select submenu content. For instance, press number button 5 and the unit begins to play the fifth track.

```
1.......
2.......
3.......
4.......
5.......
```

5. When playing, pressing [DVD MENU] button to return to the root menu.

OK ....
PLAY ....
DVD MENU
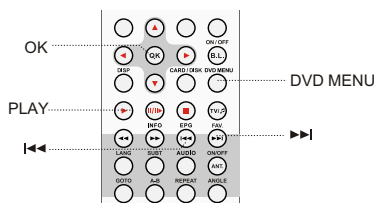
When playing, in PBC on mode, can not direct play the chapter/track entered by you press the number button ,please press [DVD MENU] button to turn PBC off.

DVD OPERATION

SELECT TRACK TO PLAY DIRECTLY BY NUMBER BUTTONS

DVD   SVCD   VCD   CD

1. Insert disc, after disc reading and normal playback, press number buttons to select track to play directly.

- If track number is less than 10, press number buttons 1 to 9 to directly select. For instance, select the seventh track: ⑦

- If track number is more than or equal to 10, press [-/- -] button and then number buttons 0 to 9. For instance, select the 16th track -/- 1 + 6 ⑥

- If track number is more than or equal to 20, press [-/- -] button twice and then number buttons 0 to 9. The rest can be performed by analog.

NUMBER ⋯⋯
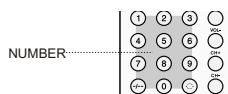
SELECT LANGUAGE/AUDIO

DVD   SVCD   VCD   CD

1. Press [LANG] button.

- As for DVD and SVCD discs with multiple languages, you may select the desired language when playing.

  DVD disc:

  | Audio   1/2：   Chinese | ⇒ | Audio   2/2：   French |

  SVCD disc:

  Audio 1 — Audio 2
  Audio 4 — Audio 3

- As for VCD or CD disc with multiple channels, you may select audio output from left or right channel or select stereo audio output. For VCD disc, left channel records dubbing and right channel records singing, and you may select left channel for dubbing.

  VCD, CD disc:

  Mono Left — Mono Right
  Stereo

  LANG ⋯⋯

NOTE

Language type varies with disc recording.

- For VCD story disc with double languages, you may press [LANG] button to select the desired language.
- When playing some DVD discs, pressing [LANG] button to switch language may result in playing the track from its beginning.

DVD OPERATION

REPEAT PLAYBACK

DVD MPEG4 SVCD VCD CD

● The repeat playback function enables a certain title/chapter/track/disc repeated.

1. Press [REPEAT] button. Each press of REPEAT button may realize different repeat functions.

■ DVD DISC:

Chapter ➡ Title ➡ ALL ➡ Repeat Off

■ SVCD, VCD, CD discs:

● To SVCD, VCD2.0 discs, the repeat function is effective in sequence playback mode; to VCD1.1, CD discs, the repeat function may be directly operated.

Track ➡ ALL ➡ Repeat Off

● To SVCD, VCD2.0 discs, the repeat function cannot be operated in menu playback mode.
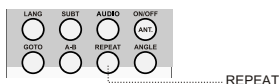
......REPEAT

REPEAT PLAYBACK OF SELECTED SEGMENT

DVD MPEG4 SVCD VCD CD

● When playing disc, you may press [A-B] button to play your desired segment content repeatedly.

1. In normal playback, press [A-B] button at the beginning point (point A) of the segment that you desire to play repeatedly.

TV screen displays: A

2. In normal playback, press [A-B] button at the ending point (point B) of the segment that you desire to play repeatedly.

TV screen displays: AB

● The unit automatically returns to point A and begins to play the selected segment (A-B).

3. Press [A-B] button for the third time.

● The unit restores to normal playback.

A-B ......
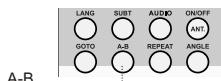
NOTE

● The A-B repeat function may be invalid to some discs. In menu playback mode, the segment can only be selected in the track.

DVD OPERATION

FAST PLAYBACK

DVD   MPEG4)   SVCD   VCD   CD

- When playing discs, you may select fast forward or fast backward playback to search a certain point.

1. Press [▸▸] button and the unit begins fast forward playback.

- Press [▸▸] button each time and the disc playback speed switches in the following sequence circularly:

  ▸▸ 2X ➡ ▸▸ 4X ➡ ▸▸ 8X
  ▸ ◂ ▸▸32X ◂ ▸▸16X ◂

2. Press [◂◂] button and the unit begins fast backward playback.

- Press [◂◂] button each time and the disc playback speed switches in the following sequence circularly:

  ◂◂2X ➡ ◂◂4X ➡ ◂◂8X
  ▸ ◂ ◂◂32X ◂ ◂◂16X ◂

PLAY FROM THE DESIRED POSITION

DVD   MPEG4)   SVCD   VCD   CD

■ Play DVD disc

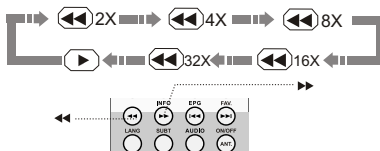- Inputting a certain time, title number or chapter number directly may search in the disc fast and then play forward from this position.

1. Search title and chapter. For instance, search the 2nd chapter in title 6.

- Press [GOTO] button and TV screen displays:

  Title 03/30 Chapter   /02
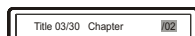
- Press [◂/▸] button to move cursor and lighten the title number, shown in the figure:

  Title /30 Chapter   01/02

- Then press number button 6 to select Title 6, shown in the figure:

  Title 06 /30 Chapter   /02

- Finally press number button 2 to select Chapter 2, shown in the figure:

  Title 06 /30 Chapter   02/02

2. Search title time

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input hour, minute and second.

  Title 06/30 Time   : :

3. Search chapter time

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input hour, minute and second.

  Chapter 01/04 Time   : :

■ Play MPEG4 disc

1. Select track

● Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input the track.

Select

2. Search track time

● Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input hour, minute and second.
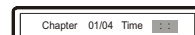
--:--:--

■ Play SVCD, VCD and CD discs

1. Search disc time

● Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input minute and second.
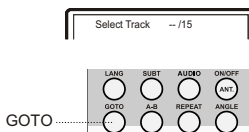
Disc Go To   --:--

2. Search track time

● Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input minute and second.

Track Go To   --:--

3. Select the track

● Press [GOTO] button until TV screen displays the following figure. Press number buttons to input track.

Select Track   -- /15

GOTO

MPEG4 AND JPEG FILE PLAYING

MPEG4 is the audio standard published by MPEG(Moving Pictures Experts Group) in November,1998. As the discrepant parts between frames of picture are only processed and the same parts are deleted, the data number are greatly decreased. The most distinct feature of MPEG4 is the high compression and clear imaging. Furthermore, MPEG4 provides elastic specifications to adjust the stream according to the used requirements. The larger stream can be used when collecting private films; and the small stream can be used in network transferring, which make MPEG4 use widely.

JPEG(Joint Photographic Experts Group) is the most widely used picture compression and storage format today. Utilizing high efficiency compression algorithm, JPEG compresses the original picture 15 to 20 times with excellent picture quality. JPEG is featuring small size data, convenient application and supported by most picture processing software, so it is very fit to store photos.

DVD OPERATION

The strong decoding capability of this unit can decode and play the files with the above formats. In the course of playing, an operation menu will appear and its construction is shown as follows.

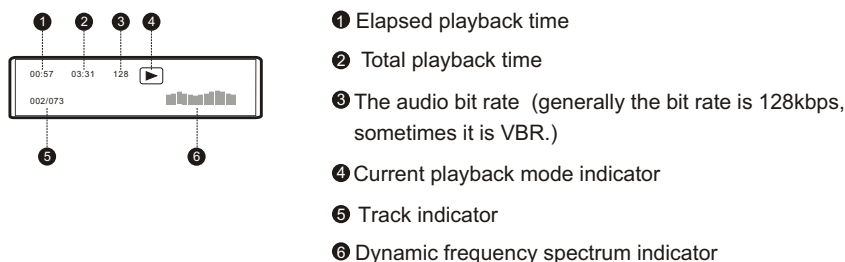❶ State window
Display the current state information.

❷ DIR window
Display the current path.

❸ File window
Display the current path's file.

❹ Scroll bar window
Indicate the current file's position.

❺ Preview window
JPEG image preview.

❻ Information window
Display the current operation prompts.
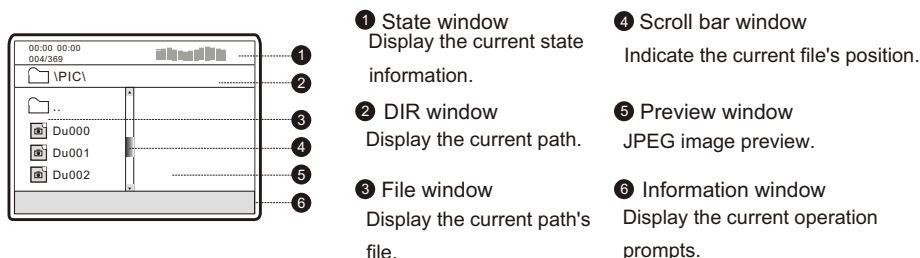
The state information in state window is as follows:

❶ Elapsed playback time

❷ Total playback time

❸ The audio bit rate (generally the bit rate is 128kbps, sometimes it is VBR.)

❹ Current playback mode indicator

❺ Track indicator

❻ Dynamic frequency spectrum indicator

1. Play MPEG4 file

After you put an MPEG4 format file into the unit, it will search disc information and display the operation menu as figure A (The displayed content varies with disc.).

- Press [▲/▼] button to select the directory you desired and press [OK] button to confirm. For instance, you select the directory Du000 in Figure A, press [OK] button and TV screen displays as in Figure B. The window returns to the previous directory when you select [....] or press [◄] button.

- In Figure B, press [▲/▼] button to select the MPEG4 format file you desired and press [OK] button to confirm. The unit begins to play MPEG4 format movie.

DVD OPERATION

2. Play JPEG file

After you put an JPEG format file into the unit, it will search disc information and display the operation menu as in the following figure. After selecting JPEG file, the preview window will appear this file's preview image to facilitate you to select. After you select the JPEG file you desired and press [OK] button to confirm, the picture will display in full screen.
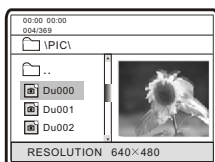
■ Other basic operation methods

1. Press [◄◄],[►►] button may turn to the next or last page.

■ Other functions of JPEG file

2. When playing JPEG file, pressing [■] button may realize preview playback function. At the same time, all JPEG files are displayed on TV screen. One frame can display up to 12 pictures at most. The rest ones are shown on the next frame. Pressing [►►] button may enter the next frame and [◄◄] button may enter the previous frame. You may press number buttons or [▲/▼] button to select the picture you desired and press [OK] button to confirm.

3. When in preview playback, pressing [DVD MENU] button may exit preview playback function.
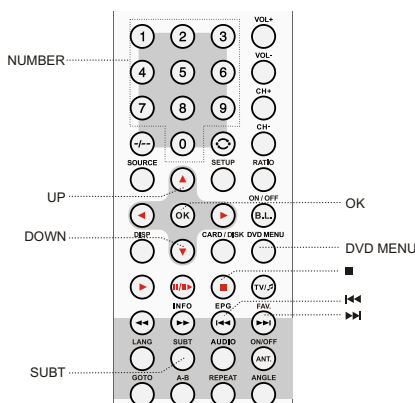
When buttons are invalid, TV screen displays:
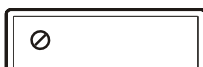
● Please press effective button again.

CARD READER AND USB OPERATION

USAGE OF USB DEVICE AND 3 -IN-1 CARD READER

USB refers to Universal Serial Bus. Most of USB devices on the market are USB1.1 or USB2.0. Here are some common types of USB 1.1 devices:
Monitors, Communication devices, Audio Human Input Device(HID), Mass storage drives etc.
Most flash memory ,USB HDD etc. belongs to Mass Storage Class. Mass Storage
Class includes 2 transport manners:
1. USB 1.1 Mass Storage Class Control/Bulk/Interrupt (CBI) Transport
2. USB 1.1 Mass Storage Class Bulk-Only Transport
This unit supports USB 1.1 Mass Storage Class Bulk-Only Transport.
When using USB 1.1 Mass Storage Class Bulk-Only Transport devices, please notice that the file operation system only supports Windows FAT ,not support FAT32 and NTFS etc file system.
The 3-in-1 card reader of this player can read SD Card (Secure Digital Card), MMC Card (Multi Media Card) MS Card (Memory Stick Card).

Important: Before you use the USB or card reader function, you should change the input source of the TV to DVD and press [CARD/DISK] button.

1. Using USB devices:

Please insert USB devices into the USB jack of this unit then press [CARD/DISK] button .
After correctly reading USB devices , the screen will display an operation menu.
Please refer to the part of "MPEG4 and JPEG FILE PLAYBACK" in page 25 for details.

USB jack

MEDIA CARD socket
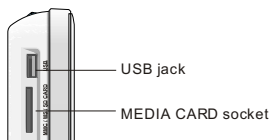
2. Play 3-in-1 CARD READER

In DVD mode, press [CARD/DISK] button, the TV set will to detect and read card.
If there are supported card in the card port ,after reading card data correctly, an operation menu will be displayed on the screen.

UP

DOWN
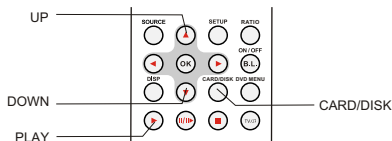
PLAY

CARD/DISK

If you want to switch to DVD state, please press [CARD/DISK] button to exit USB and card read state.

CARD READER AND USB OPERATION

NOTES

● This player can play USB devices and MPEG4 and JPEG files in SD, MMC and MS cards.

● When reading MPEG files with large size in USB device or media card, pause may appear.

● If there is no files in USB devices or media card , on-screen appears a empty operation menu to remind you that the device is empty. If USB devices or media card have a problem, or the operation is incorrect, the screen appears "Device Error". Please check USB devices or media card, or else unplug them then insert them again.

● If a USB device or media card which are unsupported by the machine have been connected, the unit may 'lock-up' and don't respond to commands. In this event please switch off the power, take out USB equipment or media card, and then switch the power back on to reset the machine.

● This unit does not support USB On The Go (OTG) technology, so any devices with OTG data exchange mode may not work correctly. Check this out before operation.

● When inserting a media card, you should insert it in the right direction: If you are facing the TV screen, make sure you plug-in the card with its connector facing away from you.

● When the button is invalid, the TV screen displays:

Press the effective button again.

DVD FUNCTION SETUP

GENERAL SETUP
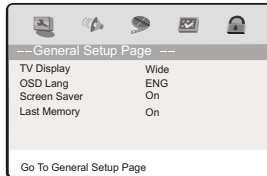
1. TV Display: This item is used to set the output picture ratio of this unit.
- Optional settings: Normal/PS, Normal/LB, Wide, Wide Squeeze; Default: Wide.

2. OSD language: This item is used to set the OSD language .
- Optional settings: English; Default: English

3. Screen Saver: Open or close the screen saver.
- Optional settings: On, Off; Default: On

4. Last Memory: This player can save the currently played time point automatically when you leave the current DVD disc playback (switch from DVD to card read state, switch from DVD signal source to other signal source, enter standby state in DVD mode).
- Optional settings: On, Off; Default: On

NOTE

When switching to DVD playback state again, this player can automatically search the time point saved last time to continue playing. If you want to play from the beginning, please press [STOP] button twice and then press [PLAY] button.

AUDIO SETUP
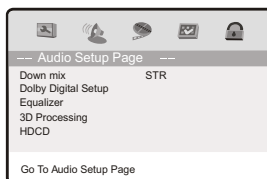
1. Down mix mode: this item is used to set this unit's DOWN MIX mode to change multi channel audio into 2-channel audio output.
- Optional settings: LT/RT, Stereo; Default: Stereo

2. Dolby Digital Setup:

Dual Mono:

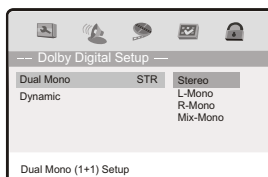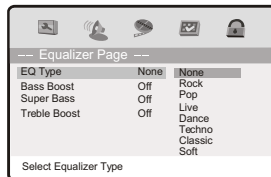● Optional settings: Stereo, L-Mono, R-Mono, Mix-Mono ;Default: Stereo.

Dynamic:

● Set Dolby digital sound dynamic level, Default: Off

3. Equalizer :

● EQ Type: Set equalizer type, optional settings: None, Rock, Pop, Live, Dance, Techno, Classic, Soft; Default: None.

● Bass Boost: Enhance low frequency sound level, optional settings: On, Off; default: Off.

● Super Bass: Enhance very low frequency sound level, optional settings: On, Off; default: Off.

● Treble Boost: Enhance high frequency sound level, optional settings: On, Off; default: Off.

4. 3D Processing: Set reverberation mode .

● Optional settings: Off, Concert, Living Room, Hall, Bathroom, Cave, Arena, Church; Default: Off.

5. HDCD: Set filter mode.

● Optional settings: Off,1X, 2X; Default: 1X.

VIDEO SETUP
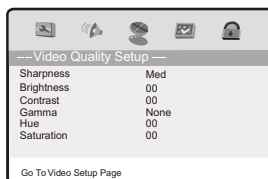
1. Sharpness: This item is used to set the sharpness of video outputs.

● Optional settings: High, Medium, Low; Default: Med.

2. Brightness: This item is used to set the brightness of video outputs.

3. Contrast: This item is used to set the contrast of video outputs.

4. Gamma: This item is used to set the color temperature of video output.

● Optional settings: High, Medium, Low, None ; Default: None

5. Hue: This item is used to set the hue of video outputs.

6. Saturation: This item is used to set the saturation of video outputs.

DVD FUNCTION SETUP

PREFERENCE SETUP

```
    🖼    🎵    💿    🖥    🔒
  ––Preference Page  ––
  TV Type            PAL
  PBC                On
  Audio              ENG
  Subtitle           ENG
  Disc Menu          ENG
  Parental           Off
  Country Region     ENG
  Default

  Go To Preference Page
```
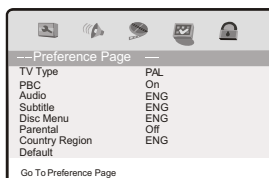
1. TV Type: To set the output video system of this player.

● Optional settings: PAL, Auto, NTSC; Default: PAL.

2. PBC: To set the PBC status.

● When playing SVCD, VCD2.0 discs, if PBC is set On, this unit enters PBC playback mode; if PBC is set Off, the unit plays the disc according to track sequence.
   Optional settings: On, Off; Default: On

3. Audio: This item is used to set the preference audio language when playing.

4. Subtitle: This item is used to set the preference subtitle language when playing.

5. Disc menu : This item is used to set the preference disc menu language when playing.

● Default of disc menu language: English

NOTE

● Audio, subtitle and disc menu language are only effective to DVD disc.

● If the disc is not recorded with the language you appointed, the unit will apply the language that the disc appointed to play.

● Select other languages: press [▲/▼] button to move cursor to "OTHER" item, press [OK] button and then number buttons to input the language code you desired. After input finishes, press [OK] button again.

6. Parental: this item is used to set the parental control ratings to prevent children from watching the restricted contents. (In case the disc supports this function)

● Optional settings: KID SAFE, G, PG, PG 13, PGR, R, NC17, ADULT, Off; Default: Off

NOTE

● When changing the parental control ratings, a password is needed. Please refer to the following password item for details.

7. Country Region: Set the country region according to your country.

8. Default: This item is used to restore all settings to the default value except "Parental control" and "Password" in the setup menu.

PASSWORD SETUP

Password : This item is used to set a four digital password to enable you to change the parental control ratings.
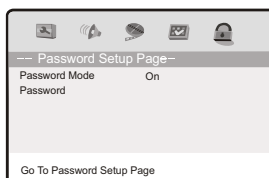
Password Mode: To set whether parental control function need a password, optional setting: On, Off; Default: On.
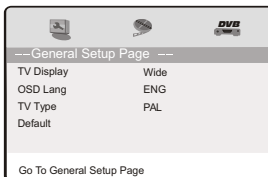
Password : To change the password of parental control function, default :000000.

DVB FUNCTION SETUP

Turn on this TV, press [SOURCE] button to change source to DVB, then you can enjoy the rich and colorful contents of Digital Video Broadcast!

In DVB mode, press [SETUP] button, then press [◀/▶] button to choose DVB item, the DVB setup menu will be displayed as follow:

GENERAL SETUP

```
         ▣        💿        DVB
                            📺
  ––General Setup Page  ––
  TV Display            Wide
  OSD Lang             ENG
  TV Type              PAL
  Default


  Go To General Setup Page
```

1. TV Display: This item is used to set the output picture ratio of this unit.
- Optional settings: Normal/PS, Normal/LB, Wide, Wide Squeeze; Default: Wide.

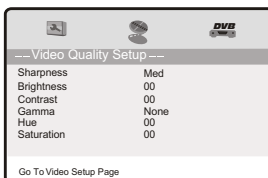**2. OSD language: This item is used to set the OSD language .**
- Optional settings: English; Default: English

3. TV Type: To set the output video system of this player.
- Optional settings: PAL, Auto, NTSC; Default: PAL.

4. Default: This item is used to restore all settings to the default value except "Parental control" and "Password" in the setup menu.

VIDEO SETUP

```
         ▣        💿        DVB
                            📺
  ––Video Quality Setup––
  Sharpness            Med
  Brightness           00
  Contrast             00
  Gamma                None
  Hue                  00
  Saturation           00

  Go To Video Setup Page
```

1. Sharpness: This item is used to set the sharpness of video outputs.
- Optional settings: High, Medium, Low; Default: Med.

2. Brightness: This item is used to set the brightness of video outputs.

3. Contrast: This item is used to set the contrast of video outputs.

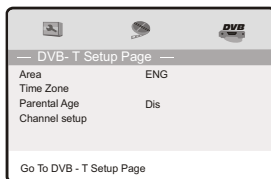**4. Gamma: This item is used to set the color temperature of video output.**
- Optional settings: High, Medium, Low, None ; Default: None

5. Hue: This item is used to set the hue of video outputs.

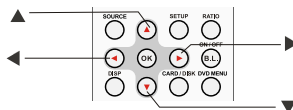**6. Saturation: This item is used to set the saturation of video outputs.**

DVB FUNCTION SETUP

DVB-T SETUP

```
        ▣              🖫                📀 DVB
   —  DVB- T Setup Page  —
   Area                    ENG
   Time Zone
   Parental Age            Dis
   Channel setup


   Go To DVB - T Setup Page
```

The DVB-T Setup Page is composed of four parts: Area, Time Zone, parental Age, Channel Setup.

Note : Press [▲/▼] button to select different item , and press [OK] or [▶] button to enter it.
Press [◀] button to return to the previous menu or to exit the current menu .

```
              ▲
         SOURCE    SETUP   RATIO
          ◯  ▲  ◯   ◯
    ◀     ◯ ◀ OK ▶ ◯  B.L   ▶
         DISP  CARD / DISK DVD MENU
          ◯  ▼  ◯   ◯
              ▼
```

1. Area

You can choose the area of your country.

Optional settings: Australia, Austria, Belgium, Denmark, Estonia, Germany, Spain, France, Italy, Netherland, Taiwan, UK, Others; Default: UK.
Note : you must set the correct area before searching channels

2. Time zone

To choose your time zone, it is set depending on your country. If you don't know the exact time, please ask local time manage department.
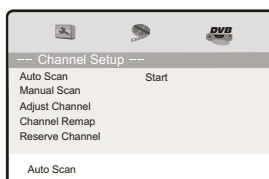Default: 00:00

3. Parental age

This item is used to set the parental control ratings . To prevent your children watching undesired programme.

● Optional settings: 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,Disable
Default: Disable

4. Channel setup

This item is used to search channels, edit the channel list or your favourite channel list, viewing program guide information, etc.

```
        ▣              🖫                📀 DVB
   ––  Channel Setup  ––
   Auto Scan            Start
   Manual Scan
   Adjust Channel
   Channel Remap
   Reserve Channel

   Auto Scan
```

DVB FUNCTION SETUP

● **Auto Scan**

Connect the antenna to the RF socket on the TV, if the antenna need power supply, please press [ANT. ON/OFF] button to turn on the power for the antenna . Then you can automatically search channels without entering any other information.

In the scan process, the scan result will be displayed in the Auto Scan window.

Auto Scan	
Status	Found Channels
Freq: 65000KHz	
TV Total: 00	
Radio Total: 00	
Progress:	40%
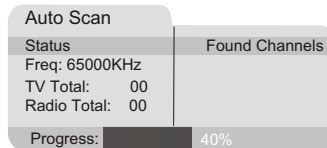
Press [DVD MENU]on remote control more than 3 seconds to auto scan.

1.press [setup] button to enter setup menu, then choose the DVB item;
2. Using the [▲/▼] button to select the Auto Scan item, and press [OK] or [▶] button to select Start item, then press [OK] button;
3.A prompting message will be displayed to request your confirm, select OK and press the [OK] button to confirm.

Note: If you press the [setup] button during scanning, the operation is stopped and a prompting message will be displayed at the bottom of Auto Scan window. Select OK and press [OK] button to abort auto scan operation, and the channels found until then will be saved. And select Cancel and press [OK] button to return to auto scan process.

Wait while the TV searches for the channels, this may take a few minutes.

Note: Once you press [OK] button to start auto search operation, all the saved channels will be cleared.

● **Manual scan**

You can scan channels manually by setting scan parameters.

1.In setup menu, select the Manual Scan ,a manual scan will be shown as follows:
2.Enter the frequency you want to scan by the number buttons, then press ok, the scan button seems be pressed, press OK again to scan, a scan sign : scanning... will be shown on the window.
3.The scan result will be displayed on the right half of the manual scan window, you can save the founded channels or give up them if the TV found some program.

Manual Scan	
Status	Found Channels
Freq: 177500KHz ⬍	
Scan	
Press OK to Scan	
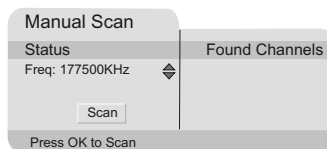
● **Adjust channel**

You can set your favorite channel, set parental control age for some channels or delete channel in Adjust Channel window.

1.Select channel using [▲/▼] button , Press [RED] button to set this channel as one of your favorite channel.
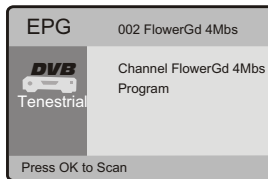
DVB FUNCTION SETUP

2. Select channel using [▲/▼] button , if you don't like this channel press [GREEN] button to delete it .

3. Select channel using [▲/▼] button , press [YELLOW] button to set this channel as a protected one, to from your children to watch the undesied program in it.

Note: If you set channel protected, password need to be input in Protect Channel window. The default password is 000 000.

● **Channel remap**

You can change every channel position as you like in channel remap window.

● **Reserve channel**

If you want to watch a special program in a channel played some time later, you can reserve it. Then a reminding signal will be displayed on screen several minutes before it played.

```
EPG          002 FlowerGd 4Mbs

DVB          Channel FlowerGd 4Mbs
Tenestrial   Program

Press OK to Scan
```

When playing a program in a channel, press [EPG] button, then a program information list of current channel will be displayed in a window, move the cursor to PROGRAM, then press [OK] button, a more detailed program list will be displayed, move the cursor to the program which you want to watch, then press green button in last row on remote control as shown in the window. The program is saved in your reserved channel.

You can set the time when the reminding signal should be displayed before the program played.
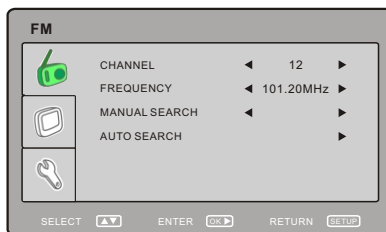
```
Notify time     03 min
                OK
```
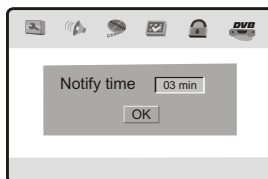
FM OPERATION

FM

With radio decoder built in , you can enjoy radio programs using this unit.

Connect the FM antenna in the accessories to the to the FM socket on the left panel of the TV, change source to FM. Press [SETUP] button and a menu will show as follows:

```
FM
    CHANNEL           ◄    12      ►
    FREQUENCY         ◄ 101.20MHz  ►
    MANUAL SEARCH     ◄            ►
    AUTO SEARCH                    ►



SELECT  [▲▼]    ENTER  [OK ►]    RETURN  [SETUP]
```

1. CHANNEL:

Display current channel number, press [◄/►] button to change channel.

2. FREQUENCY:

The frequency of current channel, press [◄/►] button to adjust it (one step is 0.1MHz).

3. MANUAL SEARCH:

Search a new channel for current channel number, press [◄] button to decrease frequency and press [►] button to increase frequency. When a channel is found, manual search will stop and the program will be stored.

4. AUTO SEARCH:

Search and store all the channels in FM band 87.5--108MHz. Move the cursor to AUTO SEARCH ,it become high bright, then press [OK] or [►] button to auto search.
Press [SETUP] button to give up AUTO SEARCH.

NOTE

● Up to 20 programs can be preset/stored,and you can recall them in 2 ways:

Method 1:
For programs 1~ 9, press the number buttons on remote control to access them.
For programs 10~19, press "-/--" first ,then press "0 ~ 9" to access to them;
For channel 20, just press "-/--" twice to access to it.

Method 2:
Press [◄] button to decrease channel and press [►] button to increase channel.

● Cant change channel by press [CH+/-] button in FM mode.

FM OPERATION

SYSTEM

In FM setup menu, select " 🔧 ", a FM system menu will be displayed as follows:
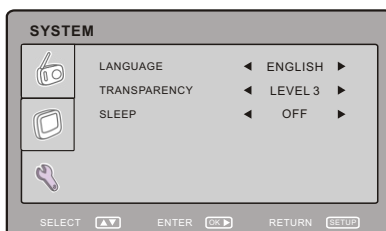
1. LANGUAGE

Set FM setup menu language. For English, only English.

2. TRANSPARENCY

Set the transparency level of FM setup menu, optional settings : OFF--LEVEL 6.

3.SLEEP

Set the time of how long the TV to go to standby mode automatically. optional settings:
OFF--240MIN,10 minutes a step.

TROUBLESHOOTING

Please check for causes of problems in accordance with the following chart before contacting any maintenance personnel.

TV TROUBLESHOOTING

Symptom	Causes and Correction
Cannot power on	◆ Please make sure the well connecting of power cord
No sound	◆ Please make sure the well connecting of audio cord
	◆ Check volume
	◆ Make sure there is nothing plugged in the headphone jack
Volume too low	◆ Check volume
	◆ If volume is still too low when adjusting volume to maximum, please check whether the input device is well set
Snowy picture	◆ Input antenna damaged or not well connected
Remote control failure	◆ Check whether remote control battery used up ◆ Whether battery installation is correct ◆ Whether obstacles exists between remote control and the unit's receiving window ◆ Check whether there is strong light around the receiving window.

TROUBLESHOOTING

DVD TROUBLESHOOTING

Symptom	Causes	Correction
Can't play	1. Condensation on laser head 2. Disc not properly loaded 3. Disc not compatible with the unit	1. Switch on power and wait for 1 to 2 hours 2. Make sure label side of the disc facing up 3. Confirm whether this unit compatible with the placed disc
Sound distortion	1. Too large volume of connected device 2. Sound field mode not suitable for disc	1. Adjust the device volume 2. Adjust appropriate sound field
No sound	1. Disc warped or dirty 2. The unit in mute state	1. Clean the disc 2. Press MUTE button to cancel it.
No image	1. TV not set for proper system 2. In backlight off mode	1. Reset AV/TV state of TV 2. Press [B.L.ON/OFF] button
No color	1. TV system not right 2. TV color not well adjusted	1. Set the TV color system according to the disc color system 2. Reset the TV color
No disc reading	1. Disc warped or dirty 2. Disc not correctly placed 3. Condensation on laser head	1. Clean the disc 2. Reload a disc with label side facing up 3. Witch on power, unload disc and leave it for about 1 hour
Temporary function failure	1. Mal-fabricated disc used 2. Wrong buttons pressed 3. Static leakage into the play from outside	1. Change disc 2. Operate again 3. Power off for 1 to 2 minutes then power on again
No subtitle	1. No subtitle made in disc 2. The unit subtitle is turned off	1. Disc problem 2. Press SUBT button to select it
Image rolling	1. System setup not suitable for disc	1. Adjust system mode

● If the above methods still cannot solve the problems or the troubles are special, please contact the local maintenance personnel.

SPECIFICATIONS

Panel	Type	TFT color
	Class	II (ISO 13406–2)
	Size (inch)	10.2"
	Display Size (mm)	222(W) x 133.2 (V)
	Pixel Pitch (mm)	0.2775(H) x 0.2775(V)
	Brightness (Cd/m²)	400
	Contrast ratio	400:1
	Viewing Angle (H)	130
	Viewing Angle (V)	110
	Panel Life (Hours)	30 000
	Display Color	16 700 000
Inputs	Video	
	Composite	1 (CVBS)
	Audio	
	Stereo	1
	Other interface	
	USB	1
	Card reader	1
	FM antenna	1
	RF	1
Outputs	Video	
	Composite	1
	Audio	
	Stereo	1
	Headphone	2
Color Systems	TV tuner	PAL, SECAM
	Video inputs	PAL, SECAM, NTSC 3.58, NTSC 4.43, PAL60
Sound Systems	TV tuner	DK, I, BG, L
DVD	Disc type	CD–R/RW, DVD–R/RW, DVD+R/RW
	Formats	DVD–Video, DivX, XviD, SVCD, VCD, CD–DA, HDCD, MP3, WMA, Kodak Picture CD, JPEG
Power adaptor	Input	~ 100 V – 240 V; 50/60 Hz; 1.5 A
	Output	12 V; 4.5 A; 54 W
Battery pack	Lithium rechargeable battery	5000mAH, 7.4V
Environmental Consideration	Operating Temperature	+5°C…+35 °C
	Operating Humidity	10% – 80%
	Storage Temperature	–20°C…+45 °C
	Storage Humidity	5% – 95%
DVB	Input connector	IEC-Type, IEC 169-2, Female
	Frequency range (VHF/UHF)	174MHz~858MHz
	Channel range(VHF/UHF)	7 & 8 Mhz
FM	FM frequency range	87.5MHz~108MHz
Dimensions	281 mm x 210 mm x 37 mm	
Net Weight	1.25 kg	

• These items are depended on the TFT panel, Design and specification are subject to change without notice.
• Because of disc quality and format difference, we cannot make sure smoothly read discs; some functions cannot be fulfilled for the disc speciality, but not machine trouble.
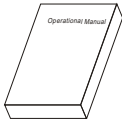
DISPLAY MODE
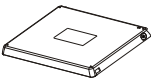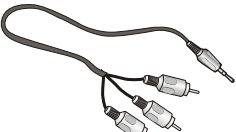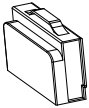
SUPPORTED VIDEO INPUT MODE			
Format	Hor scanning frequency	Ver scanning frequency	Vert scan type
720X480	31.47	59.94	480P
720X480	15.734	59.94	480i
720X576	31.25	50	576P
720X576	15.625	50	576i

NOTE

Specifications and design are subject to change without notice.

ACCESSORIES

Please check the following accessories.

User manual	Remote control and battery
Automotive Power socket adapter	Power adapter
Battery pack (optional)	AV cord
Headrest bracket(optional)	Headphone
Bag (optional)	FM antenna